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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21154

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12Q 1/68; C07H 21/04 US CL : 435/6; 536/23.5					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/6; 536/23.5					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
	ata base consulted during the international search (na at, USPGP, EPO, JPO, Derwent)	me of data base and, where practicable, s	search terms used)		
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
X, P	US 6,534,634 B1 (IVELL) 18 March 2003 (10.03.		11, 12		
Y, P			13-118		
Y	US 4,895,804A(BOSTWICK et al.) 23 January 19	90 (23.01.1990), see entire document.	11-119		
Y	US 4,755,460 A (BOSTWICK et al.) 05 July 1988	(05.07.1988), see entire document.	11-19		
х	PRU et al., Pregnancy and interferon upregulate ge family in the bovine uterus. Biology of Reproductivolume 65, number 5, pages 1471-1480, see entire	tion, November 2001 (11.2001),	11-19		
Further	documents are listed in the continuation of Box C.	See patent family annex.			
"A" document	pecial categories of cited documents: defining the general state of the art which is not considered to be tlar relevance	"T" later document published after the inte date and not in conflict with the applic principle or theory underlying the inve	cation but cited to understand the		
l -	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	claimed invention cannot be red to involve an inventive step		
	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such	when the document is		
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	e art		
	published prior to the international filing date but later than the ate claimed	document member of the same patent family			
	ctual completion of the international search r 2003 (23.11.2003)	Date of mailing of the international search report			
	ailing address of the ISA/US	Authorized officer			
Mail Stop PCT, Attn: ISA/US		Talla allens for			
Commissioner for Patents P.O. Box 1450		Bradley L. Sisson			
Alexandria, Virginia 22313-1450		Telephone No. (703) 308-0196	/)		
Facsimile No. (703)305-3230					
rorm PC1/1S/	A/210 (second sheet) (July 1998)				





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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.	Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	Claim Nos.: 1-10 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Please See Continuation Sheet			
3. 6.4(a).	Claim Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule			
Box II Ob	servations where unity of invention is lacking (Continuation of Item 2 of first sheet)			
This Internat	ional Searching Authority found multiple inventions in this international application, as follows:			
1	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark on P	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			



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INTERNATIONAL SEARCH REPORT

Continuation of Box I Reason 2: Claims 1-10 require search of nucleotide sequences identified in tables found in the disclosure. While a paper version of a Sequence Listing was provided, a computer-readable version of same was not located, thereby precluding a search of the nucleic acids disclosed, and the proteins encoded thereby.					